

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Application of: JAMES MALIGEORGOS ET AL.

Filed: JULY 31, 2003

For: PARTITIONING OF RADIO-FREQUENCY APPARATUS

Serial No.: 10/631,166

Group Art Unit: UNKNOWN

Examiner: UNKNOWN

Atty Dkt: SILA:127

Pursuant to 37 C.F.R. 1.8, I certify that this correspondence is being deposited with the U.S. Postal Service in a first class postage prepaid envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313 on the date below:

9-29-03

Marty Jones

Date

Name

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, it is respectfully requested that this Information Disclosure Statement be entered and the document(s) listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

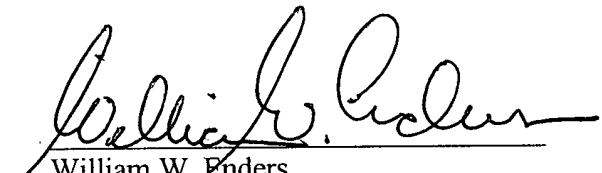
The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing

of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Deposit Account No. 10-1205/SILA:127.

Per 37 CFR 1.98(d), no copies of references A1-A139; B1-B12, C1-C101 have been provided, as copies of these references are of record or being submitted in one or more U.S. Patent Application Serial No. 10/075,094 filed on February 13, 2002, which is entitled "Radio-Frequency Communication Apparatus And Associated methods", and 09/821,342 filed on March 29, 2001, which is entitled "Partitioned Radio-Frequency Apparatus And Associated Methods" and which is relied upon by the present application for an earlier effective filing date under 35 U.S.C. Section 120. No copies of references A140-A153 are provided as these are published U.S. Patent applications.

Applicant respectfully requests that the listed document(s) be made of record in the present case.

Respectfully submitted,



William W. Enders
Reg. No. 41,735
Attorney for Applicant

O'KEEFE, EGAN & PETERMAN, LLP
1101 Capital of Texas Highway South
Building C, Suite 200
Austin, Texas 78746
(512) 347-1611
FAX: (512) 347-1615

Enclosures

Form PTO-1449 (modified)Atty. Docket No.
SILA:127Serial No.
10/631,166

List of Patents and Publications for Applicant's

Applicants
JAMES MALIGEORGOS ET AL.**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
7/31/03Group:
UNKNOWN

U.S. Patent Documents

See Pages 1-8

Foreign Patent Documents

See Page 8

Other Art

See Pages 9-16

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	5,828,955	10/27/98	Lipowski et al.			8/30/95
	A2	6,035,186	3/7/00	Moore et al.			3/11/97
	A3	6,075,979	6/13/00	Holtvoeth et al.			3/5/97
	A4	5,764,171	6/9/98	Stikvoort			4/2/96
	A5	6,148,048	11/14/00	Kerth et al.			9/26/97
	A6	4,713,563	12/15/87	Marshall et al.			5/12/86
	A7	4,070,632	1/24/78	Tuttle			9/22/76
	A8	4,236,252	11/25/80	Kominami et al.			2/6/79
	A9	4,680,588	7/14/87	Cantwell			12/5/85
	A10	4,857,928	8/15/89	Gailus et al.			1/28/88
	A11	4,989,074	1/29/91	Matsumoto			9/21/89
	A12	5,050,192	9/17/91	Nawata			11/21/90
	A13	5,083,304	1/21/92	Cahill			9/28/90
	A14	5,142,695	8/25/92	Roberts et al.			3/21/91
	A15	5,194,826	3/16/93	Huusko			4/12/91
	A16	5,235,410	8/10/93	Hurley			7/10/91
	A17	5,267,272	11/30/93	Cai et al.			2/14/91
	A18	5,283,578	2/1/94	Ribner et al.			11/16/92
	A19	5,345,406	9/6/94	Williams			8/25/92
	A20	5,430,890	7/4/95	Vogt et al.			11/20/92
	A21	5,442,353	8/15/95	Jackson			10/25/93
	A22	5,451,948	9/19/95	Jekel			2/28/94
	A23	5,500,645	3/19/96	Ribner et al.			3/14/94

Examiner:**Date Considered:**

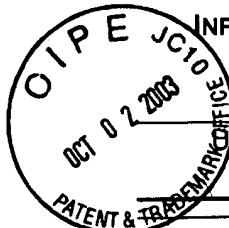
EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

Atty. Docket No.
SILA:127Serial No.
10/631,166Applicants
JAMES MALIGEORGOS ET AL.**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A24	5,557,642	9/17/96	Williams			11/14/94
	A25	5,712,628	1/27/98	Phillips et al.			8/31/95
	A26	5,742,189	4/21/98	Yoshida et al.			9/14/95
	A27	5,862,465	1/19/99	Ou			12/30/96
	A28	5,973,601	10/26/99	Campana			12/2/97
	A29	5,758,276	5/26/98	Shirakawa et al.			5/31/96
	A30	5,740,524	4/14/98	Pace et al.			12/14/95
	A31	4,623,926	11/18/86	Sakamoto			11/9/836
	A32	5,341,135	8/23/94	Pearce			4/30/92
	A33	5,241,310	8/31/93	Tiemann			3/2/92
	A34	4,562,591	12/31/85	Stikvoort			2/2/84
	A35	5,243,345	2/21/92	Naus et al.			2/21/92
	A36	5,469,475	11/21/95	Voorman			5/31/91
	A37	4,912,729	3/27/90	Van Rens et al.			12/15/88
	A38	4,627,021	12/2/86	Persoon et al.			3/13/84
	A39	4,692,737	9/8/87	Stikvoort et al.			10/17/86
	A40	4,584,659	4/22/86	Stikvoort			7/5/83
	A41	4,797,845	1/10/89	Stikvoort			12/11/86
	A42	4,604,720	8/5/86	Stikvoort			3/16/84
	A43	5,157,343	10/20/92	Voorman			5/31/91
	A44	5,124,705	7/23/92	Voorman			7/10/91
	A45	4,468,790	8/28/84	Hofelt			2/16/82
	A46	5,859,878	1/12/99	Phillips et al.			8/31/95

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

Atty. Docket No.

SILA:127

Serial No.

10/631,166

Applicants

JAMES MALIGEORGOS ET AL.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

7/31/03

Group:

UNKNOWN

U.S. Patent Documents

See Pages 1-8

Foreign Patent Documents

See Page 8

Other Art

See Pages 9-16

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A47	6,323,735	11/27/01	Welland et al.			5/25/00
	A48	6,167,245	12/26/00	Welland			5/29/98
	A49	6,388,536	5/14/02	Welland			6/27/00
	A50	6,147,567	11/14/02	Welland et al.			5/29/98
	A51	6,327,463	12/4/01	Welland			5/29/98
	A52	6,233,441	5/15/01	Welland			5/19/98
	A53	6,304,146	10/16/01	Welland			5/29/98
	A54	6,308,055	10/23/01	Welland et al.			5/29/98
	A55	6,150,891	11/21/00	Welland et al.			5/29/98
	A56	6,317,006	11/13/01	Welland et al.			7/21/00
	A57	6,137,372	10/24/00	Welland			5/29/98
	A58	6,226,506	5/1/01	Welland et al.			5/29/98
	A59	6,311,050	10/30/01	Welland et al.			5/29/98
	A60	4,179,670	12/18/79	Kingsbury			1/27/78
	A61	4,204,174	5/20/80	King			11/9/78
	A62	4,686,488	8/11/87	Attenborough			1/31/86
	A63	4,758,802	7/19/88	Jackson			2/21/86
	A64	5,055,802	10/8/91	Hietala et al.			4/30/90
	A65	5,079,521	1/7/92	Gaskell et al.			11/21/90
	A66	5,224,132	6/29/93	Goldberg			1/17/92
	A67	5,379,003	1/3/95	Bizen			12/9/93
	A68	5,446,767	8/29/95	Nakagawa et al.			4/20/93
	A69	5,517,534	5/14/96	Knierim			11/14/94

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

Atty. Docket No.

SILA:127

Serial No.

10/631,166

Applicants

JAMES MALIGEORGOS ET AL.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

7/31/03

Group:

UNKNOWN

U.S. Patent Documents

See Pages 1-8

Foreign Patent Documents

See Page 8

Other Art

See Pages 9-16

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A70	5,534,825	7/9/96	Goma et al.			4/28/95
	A71	5,539,359	7/23/96	Goma			3/29/95
	A72	5,576,667	11/19/96	Goma			11/21/95
	A73	5,581,584	12/3/96	Inoue et al.			7/20/94
	A74	3,571,743	3/23/71	Menkes			10/30/68
	A75	3,899,746	8/12/75	Gammel			9/14/73
	A76	4,009,448	2/22/77	Hopwood et al.			1/6/76
	A77	4,099,137	7/4/78	Alm, Jr. et al.			7/10/77
	A78	4,805,198	2/14/89	Stern et al.			5/19/87
	A79	4,888,564	12/19/89	Ishigaki			11/2/88
	A80	5,315,269	5/24/94	Fujii			7/31/92
	A81	5,495,205	2/27/96	Parker et al.			1/6/95
	A82	5,625,325	4/29/97	Rotzoll et al.			12/22/95
	A83	5,648,744	7/15/97	Prakash et al.			12/22/95
	A84	5,686,864	11/11/97	Martin et al.			9/5/95
	A85	5,739,730	4/14/98	Rotzoll			12/22/95
	A86	5,852,384	12/22/98	Sakakura et al.			4/18/97
	A87	5,856,763	1/5/99	Reeser et al.			3/5/97
	A88	5,936,474	8/10/99	Rousselin			3/28/97
	A89	5,157,358	10/20/92	Benson			11/20/91
	A90	4,205,272	5/27/80	Kumagai			4/13/78
	A91	4,980,653	12/25/90	Shepherd			9/5/89
	A92	5,909,150	6/1/99	Kostelnik et al.			10/23/97

Examiner:**Date Considered:**

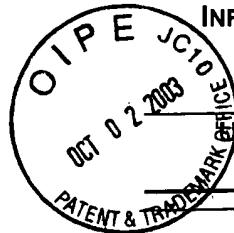
EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)Atty. Docket No.
SILA:127Serial No.
10/631,166

List of Patents and Publications for Applicant's

Applicants
JAMES MALIGEORGOS ET AL.**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A93	4,713,631	12/15/87	Enderby et al.			1/6/86
	A94	3,538,450	11/3/70	Andrea et al.			11/4/68
	A95	4,484,153	11/20/84	Borras et al.			4/6/81
	A96	4,602,220	7/22/86	Kurihara			8/14/85
	A97	4,893,087	1/9/90	Davis			1/7/88
	A98	4,905,306	2/27/90	Anderson			2/26/88
	A99	4,926,144	5/15/90	Bell			9/29/88
	A100	4,998,077	3/5/91	Nanni et al.			12/20/89
	A101	5,034,703	7/23/91	Schumacher			7/11/90
	A102	5,036,295	7/30/91	Kamitani			7/30/90
	A103	5,117,206	5/26/92	Imamura			12/4/90
	A104	5,175,884	12/29/92	Suarez			6/1/90
	A105	5,281,927	1/25/94	Parker			5/20/93
	A106	5,369,376	11/29/94	Leblebicioglu			11/29/91
	A107	5,644,270	7/1/97	Moyer et al.			3/15/96
	A108	5,691,669	11/25/97	Tsai et al.			1/11/96
	A109	5,748,043	5/5/98	Koslov			5/3/94
	A110	5,808,531	9/15/98	Nakano			11/8/96
	A111	5,844,868	12/1/98	Takahashi et al.			3/26/97
	A112	5,867,069	2/2/99	Kiser			6/9/98
	A113	5,898,345	4/27/99	Namura et al.			7/14/97
	A114	5,963,100	10/5/99	Tolson et al.			2/24/98
	A115	5,705,955	1/6/98	Freeburg et al.			12/21/95

Examiner:

Date Considered:

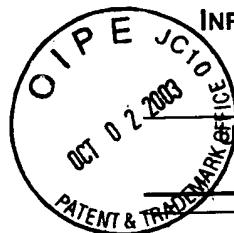
EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)Atty. Docket No.
SILA:127Serial No.
10/631,166

List of Patents and Publications for Applicant's

Applicants
JAMES MALIGEORGOS ET AL.**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A116	4,926,140	5/15/90	Schenberg			7/19/89
	A117	5,038,117	8/6/91	Miller			9/7/90
	A118	5,258,720	11/2/93	Tanis et al.			3/2/84
	A119	5,258,724	11/2/93	Tanis et al.			12/30/83
	A120	5,661,269	8/26/97	Fukuzaki et al.			3/17/95
	A121	5,561,398	10/1/96	Rasmussen			5/16/95
	A122	5,619,148	4/8/97	Guo			10/10/95
	A123	6,016,332	1/18/00	Smith et al.			12/19/97
	A124	6,208,488	2/22/00	Landman et al.			10/30/97
	A125	6,130,577	10/10/00	Tamba et al.			6/11/96
	A126	3,983,485	9/28/76	Stuart			2/28/75
	A127	4,888,560	12/19/89	Ogura			7/15/88
	A128	4,255,714	3/10/81	Rosen			2/21/79
	A129	5,006,819	4/9/91	Buchan et al.			5/21/90
	A130	5,418,497	5/23/95	Martin			7/5/94
	A131	5,698,469	12/16/97	Mohwinkel et al.			3/6/95
	A132	5,949,291	9/7/99	Newland			1/21/98
	A133	4,057,760	11/8/77	Koch			6/7/76
	A134	5,831,482	11/3/98	Salvi et al.			3/3/97
	A135	5,351,014	9/27/94	Ichiyoshi			8/2/93
	A136	US 2002/000859 3A1	1/24/02	Gomez et al.			12/14/00
	A137	6,539,066	3/25/03	Heinen			11/10/99

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
SILA:127Serial No.
10/631,166Applicants
JAMES MALIGEORGOS ET AL.Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A138	6,343,207	1/29/02	Hessel et al.			11/3/98
	A139	6,002,925	12/14/99	Vu et al.			3/24/97
	A140	20020041216 A1	4/11/02	Welland et al.			10/31/01
	A141	20030003887 A1	1/2/03	Lim et al.			2/13/02
	A142	20020132648 A1	9/19/02	Kerth et al.			3/29/01
	A143	20020141511 A1	10/3/02	Vishakhadatta et al.			3/29/01
	A144	20020193140 A1	12/19/02	Behrens et al.			2/12/02
	A145	20020168951 A1	11/14/02	Paulus et al.			2/12/02
	A146	20030063690 A1	4/3/03	Paulus et al.			2/12/02
	A147	20020187763 A1	12/12/02	Lim et al.			2/13/02
	A148	20020168952 A1	11/14/02	Vishakhadatta et al.			2/26/02
	A149	20020168942 A1	11/14/02	Scott et al.			2/22/02
	A150	20020193084 A1	12/19/02	Lim et al.			2/13/02
	A151	20030013428 A1	1/16/03	Marques et al.			2/19/02
	A152	20020163396 A1	11/7/02	Lim et al.			2/22/02

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
SILA:127Serial No.
10/631,166Applicants
JAMES MALIGEORGOS ET AL.Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A153	20030017809 A1	1/23/03	Garlepp et al.			2/19/02

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	B1	WO 00/22735	4/20/00	Ali			
	B2	GB2233518A	1/9/91	Dedic			
	B3	0643477A2	3/15/95	Hulkko et al.			
	B4	WO 00/11794	3/2/00	Moore et al.			
	B5	WO 00/01074	1/6/00	Van Der Zwan et al.			
	B6	WO 99/22456	5/6/99	Grenabo			10/27/98
	B7	JP359127408 A	7/23/84	Shibata et al.			1/11/83
	B8	JP403258103 A	11/18/91	Kitamura et al.			3/8/90
	B9	JP402298107 A	12/10/90	Obayashi			5/12/89
	B10	JP403070202 A	3/26/91	Araki et al.			8/9/89
	B11	JP04035302 A	2/6/92				5/28/90
	B12	JP357058403 A	4/8/82	Urabe et al.			9/25/80

Examiner:**Date Considered:**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
SILA:127Serial No.
10/631,166Applicants
JAMES MALIGEORGOS ET AL.Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C1	Stephen Jantzi et al., "Quadrature Bandpass $\Delta\Sigma$ Modulation for Digital Radio," IEEE Journal of Solid-State Circuits, Vol. 32, No. 12, December 1997, pp. 1935-1950.
	C2	Stephen Jantzi et al, "A Complex Bandpass $\Delta\Sigma$ Converter For Digital Radio," ISCAS, May/June 1994, pp. 453-456.
	C3	"Analog Devices Delivers World's First Open Market GSM Direct Conversion Radio Chipset," Analog Devices Corporate Information Press Release, http://contentanalog.com/pressrelease/prdisplay/0,1622,102,00.html , September 13, 1999, pp. 1-4.
	C4	Data Sheet, CX74017, "RF Transceiver for Single, Dual, or Tri-Band GSM/GPRS Applications," Conexant, January 2, 2001, pp. 1-16.
	C5	Jacques C. Rudell et al, "A 1.9-GHz Wide-Band IF Double Conversion CMOS Receiver for Cordless Telephone Applications," IEEE Journal of Solid-State Circuits, Vol. 32, No. 12, December 1997, pp. 2071-2088.
	C6	Jan Crols et al., "Low-IF Topologies for High-Performance Analog Front Ends of Fully Integrated Receivers," IEEE Transactions on Circuits and Systems-II: Analog and Digital Signal Processing, Vol. 45, No. 3, March 1998, pp. 269-282.
	C7	Jacques C. Rudell et al., "Recent Developments In High Integration Multi-Standard CMOS Transceiver for Personal Communication Systems," invited paper at the 1998 International Symposium on Low Power Electronics, Monterey, California, 6 pgs.
	C8	Asad Abidi, "CMOS Wireless Transceivers: The New Wave," IEEE Communications Magazine, August 1999, pp. 119-124.
	C9	Data Sheet, UAA3535HL, "Low Power GSM/DCS/PCS Multi-band Transceiver," Philips Semiconductors, February 17, 2000, pp. 1-24.
	C10	Stephen Jantzi et al., "FP 13.5: A Quadrature Bandpass $\Delta\Sigma$ Modulator for Digital Radio," Digest of Technical Papers, 1997 IEEE International Solid-State Circuits Conference, First Edition, February 1997, pp. 216-217, 460.
	C11	S. A. Jantzi et al., "The Effects of Mismatch In Complex Bandpass $\Delta\Sigma$ Modulators," IEEE, 1996, pp. 227-230.
	C12	Qiuting Huang, "CMOS RF Design-The Low Power Dimension," IEEE 2000 Custom Integrated Circuits Conference, pp. 161-166.

Examiner:

Dat Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)		Atty. Docket No. SILA:127	Serial No. 10/631,166
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicants JAMES MALIGEORGOS ET AL.	
		Filing Date: 7/31/03	Group: UNKNOWN
U.S. Patent Documents See Pages 1-8		Foreign Patent Documents See Page 8	Other Art See Pages 9-16

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C13	Paolo Orsatti et al., "A 20-mA-Receive, 55-mA-Transmit, Single-Chip GSM Transceiver in 0.25- μ m CMOS," IEEE Journal of Solid-State Circuits, Vol. 34, No. 12, December 1999, pp. 1869-1880.
	C14	Qiuting Huang et al., "The Impact of Scaling Down to Deep Submicron on CMOS RF Circuits," IEEE Journal of Solid-State Circuits, Vol. 33, No. 7, July 1998, pp. 1023-1036.
	C15	Behzad Razavi, "Design Considerations for Direct-Conversion Receivers," IEEE Transactions on Circuits and Systems-II: Analog and Digital Signal Processing, Vol. 44, No. 6, June 1997, pp. 428-435.
	C16	Farbod Behbahani et al., "CMOS Mixers and Polyphase Filters for Large Image Rejection," IEEE Journal of Solid-State Circuits, Vol. 36, No. 6, June 2001, pp. 873-887.
	C17	Jan Crols et al., "A Single-Chip 900 MHz CMOS Receiver Front-End With A High Performance Low-IF Topolgy," IEEE Journal of Solid-State Circuits, Vol. 30, No. 12, December 1995, pp. 1483-1492.
	C18	Analog Devices, Single-Chip Direct-Conversion GSM/GPRS/EDGE RFIC, Othello One, www.analog.com , 2 pgs.
	C19	Analog Devices, AD6523/AD6524, GSM Direct Conversion Radio Chip Set, www.analog.com , 2 pgs.
	C20	Analog Devices, GSM 3 V Transceiver IF Subsystem, AD6432, www.analog.com , pp. 1-20.
	C21	Hitachi, "RF Transceiver IC For GSM And PCN Dual Band Cellular Systems," HD155121F, ADE-207-265(Z), 1 st Edition, November 1998, pp. 1-56.
	C22	Analog Devices, AD7002 Specification, LC2MOS, GSM Baseband I/O Port, Rev. B, 1997, pp. 1-16.
	C23	Analog Devices, AD20msp415, GSM/DCS1800/PCS1900, Baseband Processing Chipset, Rev. O, 1997, pp. 1-7.
	C24	Kwentus et al., "A Single-Chip Universal Digital Satellite Receiver With 480-MHz IF Input," IEEE Journal of Solid-State Circuits, Vol. 34, No. 11, November 1999, pp. 1634-1646.
	C25	Minnis et al., "A Low-If Polyphase Receiver For GSM Using Log-Domain Signal Processing," IEEE Radio Frequency Integrated Circuits Symposium, 2000, pp. 83-86.

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

Atty. Docket No.
SILA:127Serial No.
10/631,166Applicants
JAMES MALIGEORGOS ET AL.**INFORMATION DISCLOSURE STATEMENT**

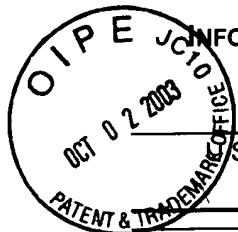
(Use several sheets if necessary)

Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C26	Atkinson et al., "A Novel Approach To Direct Conversion RF Receivers For TDMA Applications," Analog Devices, 1999, pp. 1-5.
	C27	Crochiere et al., "Optimum FIR Digital Filter Implementations For Decimation, Interpolation, And Narrow-Band Filtering," IEEE Transactions On Acoustics, Speech, And Signal Processing, Vol. ASSP-23, No. 5, October 1975, pp. 444-456.
	C28	Hogenauer, "An Economical Class Of Digital Filters For Decimation And Interpolation," IEEE, 1981, pp. 155-162.
	C29	Brandt et al., "A Low-Power, Area-Efficient Digital Filter For Decimation And Interpolation," IEEE Journal Of Solid-State Circuits, Vol. 29, No. 6, June 1994, pp. 679-687.
	C30	Philips Semiconductors, "uaa3535-Low-Power GSM GPRS Triple-Band Near-Zero IF Transceiver," October 1999, 4 pgs.
	C31	D'Avella et al., "An Adaptive MLSE Receiver For TDMA Digital Mobile Radio," IEEE Journal On Selected Areas In Communications, Vol. 7, No.1, January 1989, pp. 122-129.
	C32	Razavi, "CMOS RF Receiver Design For Wireless LAN Applications," IEEE, 1999, pp. 275-280.
	C33	Lucent Technologies, "W3020 GSM Multiband RF Transceiver," Advance Data Sheet, December 1999, pp. 1-44.
	C34	Lucent Technologies, "DSP1620 Digital Signal Processor," Data Sheet, June 1998, pp. 1-178.
	C35	Steyaert et al., "A 2-V CMOS Cellular Transceiver Front-End," IEEE Journal of Solid-State Circuits, Vol. 35, No. 12, December 2000, pp. 1895-1907.
	C36	Paulus et al., "A CMOS IF Transceiver With Reduced Analog Complexity," IEEE Journal Of Solid-State Circuits, Vol. 33, No. 12, December 1998, pp. 2154-2159.
	C37	Analog Devices, "Analog Devices Delivers World's First Open Market GSM Direct Conversion Radio Chipset," November 1999, 4 pgs.
	C38	"Digest Of Technical Papers," 1997 IEEE International Solid-State Circuits Conference, First Edition, February 1997, 5 pgs.
	C39	RF Micro Devices, RF2968, Product Description, Blue Tooth Transceiver, Rev A19, pp. 11-199-11-222.

Examiner:**Date Considered:**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449 (modified)**

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
SILA:127Serial No.
10/631,166Applicants
JAMES MALIGEORGOS ET AL.Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C40	Texas Instruments, TRF6901, "Single Chip RF Transceiver," March 2002, pp. 1-29.
	C41	Texas Instruments, TRF6900A, "Single Chip RF Transceiver," September 2001, pp. 1-34.
	C42	Texas Instruments, TRF6900, "Single Chip RF Transceiver, October 1999, pp. 1-32.
	C43	Philips Semiconductor, "Bluetooth RF Transceiver," Data Sheet, UAA3558, December 21, 2000, pp. 1-5.
	C44	Philips Semiconductor, "Image Reject 1 800 MHz Transceiver For DECT Applications," Data Sheet, UAA2067G, October 22, 1996, pp. 1-24.
	C45	Philips Semiconductor, "Analog Cordless Telephone IC," Data Sheet, UAA2062, August 10, 2000, pp. 1-40.
	C46	Philips Semiconductor, "900 MHz Analog Cordless Telephone IC," Data Sheet, UAA3515A, December 12, 2001, pp. 1-44.
	C47	Philips Semiconductor, "Low Voltage IF I/Q Transceiver," Data Sheet, SA1638, September 3, 1997, pp. 1-26.
	C48	Texas Instruments, "TCS2100 GPRS Chipset Solution," Product Bulletin, 2001, 4 pgs.
	C49	Fague, "Othello: A New Direct-Conversion Radio Chip Set Eliminates IF Stages," Analog Dialogue 33-10, 1999, pp. 1-3.
	C50	Analog Devices, AD6523/AD6524, "GSM Direct Conversion Radio Chip Set," 1999, 2 pgs.
	C51	Lucent Technologies, "Lucent CSP1089 GSM Conversion Signal Processor For Cellular Handset And Modem Applications," Product Brief, February 2001, 2 pgs.
	C52	Lucent Technologies, "Lucent CSP1099 GSM Conversion Signal Processor For Cellular Handset And Modem Applications," Product Brief, February 2001, 2 pgs.
	C53	Lucent Technologies, "Trident," Product Brief, February 2001, 2 pgs.
	C54	Ericsson, "RF Transceiver Circuit For The Digital Enhanced Cordless Telecommunications (DECT) System," PBL40215, January 2001, pp. 1-22.
	C55	Micro Linear, "ML2712 2.4GHz Transceiver," Datasheet, August 2001, pp. 1-21.
	C56	Analog Devices, "GSM/GPRS/DCS1800.PCS1900 SoftFone Baseband Chipset," AD20msp430, 2000, 2 pgs.

Examiner:**Date Considered:**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
SILA:127Serial No.
10/631,166Applicants
JAMES MALIGEORGOS ET AL.Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C57	RF Micro Devices, "Polaris Total Radio Solution," Press Release, 2002, 1 pg.
	C58	Tuttle, "Introduction To Wireless Receiver Design," Tutorial, 2002, pp. 2-58.
	C59	Rael et al., "Design Methodology Used In A Single-Chip CMOS 900 MHz Spread-Spectrum Wireless Transceiver," 35 th Design Automation Conference, June 1998, 6 pgs.
	C60	Troster et al., "An Interpolative Bandpass Converter On A 1.2- μ m BiCMOS Analog/Digital Array," IEEE Journal Of Solid-State Circuits, Vol. 28, No. 4, April 1993, pp. 471-477.
	C61	Schreier et al., "Decimation For Bandpass Sigma-Delta Analog-To-Digital Conversion," IEEE, 1990, pp. 1801-1804.
	C62	Shoaei et al., "Optimal (Bandpass) Continuous-Time $\Delta\Sigma$ Modulator," pp. 489-492.
	C63	Schreier et al., "Bandpass Sigma-Delta Modulation," Electronics Letters, Vol. 25, no. 23, November 9, 1989, pp. 1560-1561.
	C64	Jantzi et al., "Bandpass Sigma-Delta Analog-To-Digital Conversion," IEEE Transactions On Circuits And Systems, Vol. 38, No. 11, November 1991, pp. 1406-1409.
	C65	Croels et al., "An Analog Integrated Polyphase Filter For A High Performance Low-IF Receiver," Symposium On VLSI Circuits Digest Of Technical Papers, 1995, pp. 87-88.
	C66	Aziz et al., "Performance Of Complex Noise Transfer Functions In Bandpass And Multi Band Sigma Delta Systems," IEEE, 1995, pp. 641-644.
	C67	Jantzi, "A Fourth-Order Bandpass Sigma-Delta Modulator," IEEE Journal Of Solid-State Circuits, Vol. 28, No. 3, March 1993, pp. 282-291.
	C68	Liu et al., "Switched-Capacitor Implementation Of Complex Filters," IEEE International Symposium On Circuits And Systems, Vol. 3, 1986, 5 pgs.
	C69	Sedra et al., "Complex Analog Bandpass Filters Designed By Linearly Shifting Real Low-Pass Prototypes," IEEE International Symposium On Circuits And Systems, Vol. 3, 1985, 5 pgs.
	C70	Thurston et al., "Bandpass Implementation Of The Sigma-Delta A-D Conversion Technique," International Conference On Analogue To Digital And Digital To Analogue Conversion, September 1991, 7 pgs.
	C71	Rudell, et al., "Second Generation Multi-Standard Monolithic CMOS RF Transceiver," University of California, Berkeley, Slides 1 through 9 (June 1996)

Examiner:**Date Considered:**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)Atty. Docket No.
SILA:127Serial No.
10/631,166

List of Patents and Publications for Applicant's

Applicants
JAMES MALIGEORGOS ET AL.**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C72	Cho, et al., "Multi-Standard Monolithic CMOS RF Transceiver," University of California, Berkeley, Slides 1 through 26 (June 1996)
	C73	Copending U.S. Patent Application Serial No. 09/821,342, filed March 29, 2001, "Partitioned Radio-Frequency Apparatus And Associated Method" (Sila:072)
	C74	Copending U.S. Patent Application Serial No. 09/821,340, filed March 29, 2001, "Digital Interface In Radio-Frequency Apparatus And Associated Methods" (Sila:073)
	C75	Copending U.S. Patent Application Serial No. 10/075,094, filed February 13, 2002, "Radio-Frequency Communication Apparatus And Associated Methods" (Sila:074)
	C76	Copending U.S. Patent Application Serial No. 10/075,098, filed February 13, 2002, "Apparatus And Methods For Generating Radio Frequencies In Communication Circuitry" (Sila:075)
	C77	Copending U.S. Patent Application Serial No. 10/075,122, filed February 12, 2002, "Digital Architecture For Radio-Frequency Apparatus And Associated Methods" (Sila:078)
	C78	Copending U.S. Patent Application Serial No. 10/083,633, filed February 26, 2002, "Apparatus And Methods For Calibrating Signal-Processing Circuitry" (Sila:080)
	C79	Copending U.S. Patent Application Serial No. 10/081,121, filed February 22, 2002, "Calibrated Low-Noise Current And Voltage References And Associated Methods" (Sila:095)
	C80	Copending U.S. Patent Application Serial No. 10/074,591, filed February 13, 2002, "Apparatus For Generating Multiple Radio Frequencies In Communication Circuitry And Associated Methods" (Sila:096)
	C81	Copending U.S. Patent Application Serial No. 10/075,099, filed February 12, 2002, "Notch Filter For DC Offset Reduction In Radio-Frequency Apparatus And Associated Methods" (Sila:097)
	C82	Copending U.S. Patent Application Serial No. 10/074,676, filed February 12, 2002, "DC Offset Reduction In Radio-Frequency Apparatus And Associated Methods" (Sila:098)
	C83	Copending U.S. Patent Application Serial No. 10/079,058, filed February 19, 2002, "Apparatus And Methods For Output Buffer Circuitry With Constant Output Power In Radio-Frequency Circuitry" (Sila:099)

Examiner:**Date Considered:**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)Atty. Docket No.
SILA:127Serial No.
10/631,166

List of Patents and Publications for Applicant's

Applicants
JAMES MALIGEORGOS ET AL.**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C84	Copending U.S. Patent Application Serial No. 10/081,730, filed February 22, 2002, "Method And Apparatus For Synthesizing High-Frequency Signals For Wireless Communications" (Sila:106)
	C85	Copending U.S. Patent Application Serial No. 10/079,057, filed February 19, 2002, "Apparatus And Method For Front-End Circuitry In Radio-Frequency Apparatus" (Sila:107)
	C86	Allen, "Complex Analog Filters Obtained From Shifted Lowpass Prototypes," September 1985, 118 pgs.
	C87	Motorola Communications Semiconductor Product Division, "A 1.9 GHz Chipset For PCS Applications," Microwave Journal, No. 6, June 1995, 3 pgs.
	C88	Search Report for PCT/US02/00896; October 4, 2002; 7 pgs.
	C89	Copending U.S. Patent Application Serial No. 09/708,339, filed November 8, 2000, "Method And Apparatus For Operating A PLL With A Phase Detector/Sample Hold Circuit For Synthesizing High-Frequency Signals For Wireless Communications" (Sila:035C1)
	C90	Copending U.S. Patent Application Serial No. 09/999,702, filed October 31, 2001, "Method And Apparatus For Synthesizing Dual Band High-Frequency Signals For Wireless Communications" (Sila:060C1)
	C91	Cong et al., "Multigigahertz CMOS Dual-Modulus Prescalar IC", IEEE Journal Of Solid-State Circuits, Vol. 23, No. 5, October 1988, pps. 1189-1194.
	C92	Duncan et al., "A 1 GHz Quadrature Sinusoidal Oscilllator", IEEE Custom Integrated Circuits Conference, 1995, pps. 91-94.
	C93	Craninckx et al., "A 1.8-GHz CMOS Low-Phase-Noise Voltage-Controlled Oscillator With Prescaler", IEEE Journal of Solid-State Circuits, Vol. 30, No. 12, December 1995, pps. 1474-1482.
	C94	Chang et al., "A 1.2 GHz CMOS Dual-Modulus Prescaler Using New Dynamic D-Type Flip-Flops", IEEE Journal of Solid-State Circuits, Vol. 31, No. 5, May 1996, pps. 749-752.
	C95	Craninckx et al. "A 1.75-GHz/3-V Dual-Modulus Divide-by-128/129 Prescaler In 0.7- μ m CMOS", IEEE Journal of Solid-State Circuits, Vol. 31, no. 7, July 1996, pps. 890-897.

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

Atty. Docket No.
SILA:127Serial No.
10/631,166Applicants
JAMES MALIGEORGOS ET AL.**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:
7/31/03Group:
UNKNOWNU.S. Patent Documents
See Pages 1-8Foreign Patent Documents
See Page 8Other Art
See Pages 9-16**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C96	National Semiconductor, "LMX2330L/LMX2331L/LMX2332L PLLatinum™ Low Power Dual Frequency Synthesizer For RF Personal Communications", Advance Information, February 1998, 16 pgs.
	C97	Kral et al., "RF-CMOS Oscillators With Switched Tuning", Custom IC Conference, Santa Clara, CA, May 1998, pps. 555-558.
	C98	Craninckx et al., "FA 15.5: A CMOS 1.8GHz Low-Phase-Noise Voltage-Controlled Oscillator With Prescaler", IEEE International Solid-State Circuits Conference, 1995, 3 pgs.
	C99	Silicon Laboratories, "Dual-Band RF Frequency Synthesizer With Integrated VCOs For Wireless Communications", SI 4133, 1999, pps. 1-28.
	C100	Craninckx, "Low-Phase-Noise Fully Integrated CMOS Frequency Synthesizers", December 1997, pps. 77-104.
	C101	Search Report for PCT/US02/00895; November 7, 2002; 6 pgs.
	C102	Copending U.S. Patent Application Serial No. 10/631,483, filed July 31, 2003, "Frequency Modification Circuitry For Use In Radio-Frequency Communication Apparatus And Associated Methods" (Sila:123)

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.